

Vanishing Gradients and Fancy RNNs

Vanishing gradients and fancy RNNs

For this lecture, we will use the slides from the 2021 and 2019 Stanford University CS224n class Natural Language Processing with Deep Learning, lecture on “Vanishing Gradients and Fancy RNNs”.

The slides and videos can be found at:

- <http://web.stanford.edu/class/cs224n/slides/cs224n-2021-lecture06-fancy-rnn.pdf>
- <https://www.youtube.com/watch?v=0LixFSa7yts>
- <https://web.stanford.edu/class/archive/cs/cs224n/cs224n.1194/slides/cs224n-2019-lecture07-fancy-rnn.pdf>
- <https://youtu.be/QEw0qEa0E50>

The slides are almost identical but only the 2019 version presents GRUs. We give both sets of slides for completeness.

For readings, see the notes and papers listed for the above lecture.